Author Index of Volume 141

Page numbers in italics indicate biographic notes about the authors concerned.

Akagaki, T., 1, *207*
Anttila, A., 45, *207*
Arminen, E., 45, *207*

Ball, A., 311, *395*
Bhansali, K. J., 59, *207*
Bialo, D., 291, *395*
Biswas, S. K., 85, *207*
Brown, C. A., 211, *395*

Caron, S., 147, *207*
Châtigny, Y., 147
Chen, Y.-M., 95

Dally, J. W., 95
de Gee, A. W. J., 291, *395*
Donovan, J. A., 73, *207*
Druet, K., 321, *395*
Duszczyk, J., 291, *395*

Hirvonen, J.-P., 45, *207*
Huang, T.-W., 23, *208*

Jahanmir, S., 95

Kang, J. H., 73, *208*
Kato, K., 1, *208*
Kattamis, T. Z., 59, *208*
Khorshid, E. A., 349
Kimura, Y., 335, *395*
Koc, E., 249, *395*
Konstantinov, I. O., 17
Korevaar, B. M., 291, *395*
Koskinen, J., 45, *208*

Lancaster, J. K., 159, *208*
Lappalainen, R., 45, *208*
Lee, G. M. C., 185, *208*
Leonov, A. I., 17, 137, *208*
Liaw, S. P., 235, *396*
Lin, D. G., 235, *396*
Lin, F., 279

MacAdam, S. S., 373, *396*
Masounave, J., 147
Mikheev, V. I., 17
Miller, D., 311, *396*
Miyoshi, K., 35, *209*
Murugesh, L., 115, *209*

Natarajan, K. A., 85, *209*
Nawwar, A. M., 349

Olszewski, O., 321, *396*

Pramila Bai, B. N., 85, *207*

Ravikiran, A., 85, *209*
Romanowski, P., 321, *396*

Savary, G., 211, *396*
Scattergood, R. O., 115, *209*
Shao, H., 279
Sherif, H. A., 227, *396*
Shih, Y.-D., 125, *209*
Shima, M., 335, *396*
Simard, D., 147
Stringer, J., 373, *396*
Stupak, P. R., 73, *209*

Toivanen, R. O., 45, *209*
Trkula, M., 45, *210*
Turenne, S., 147, *210*

van Heijningen, G. J. J., 291, *397*

Weng, C.-I., 23, *210*

Yang, J.-Y., 125, *210*
Younes, Y. K., 267, *397*

Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 141

Abrasion
the effect of abrasive particle size on the slurry erosion resistance of particulate-reinforced aluminium alloy, 147
Adhesion
fundamental considerations in adhesion, friction and wear for ceramic–metal contacts, 35
on the dependence of friction force on sliding velocity in the theory of adhesive friction of elastomers, 137
Aging
viscosity and influence on pitting of laboratory-aged gear oil, 321
Alloys
friction and wear behaviour of cast and sintered Al–Si alloys under conditions of oscillating contact, 291
the effect of abrasive particle size on the slurry erosion resistance of particulate-reinforced aluminium alloy, 147
Alumina
effect of indentation load on fragmentation of erosion particle tips, 115
Aluminium
friction and wear behaviour of cast and sintered Al–Si alloys under conditions of oscillating contact, 291
the effect of abrasive particle size on the slurry erosion resistance of particulate-reinforced aluminium alloy, 147

Bubbling fluidized bed combustors
particle impact and impact distribution within a fluidized bed combustor environment, 373

Carbon
material-specific wear mechanisms: relevance to wear modelling, 159
the erosion resistance of plain carbon steels under water droplet impact conditions, 185
Carbon films
characterization and unlubricated sliding of ion-beam-deposited hydrogen free diamondlike carbon films, 45
Ceramic–metal contacts
fundamental considerations in adhesion, friction and wear for ceramic–metal contacts, 35
Ceramics
effect of indentation load on fragmentation of erosion particle tips, 115
material-specific wear mechanisms: relevance to wear modelling, 159
Coating
quality evaluation of coatings by automatic scratch testing, 59
Contact profilometry
describing ground surface texture using contact profilometry and fractal analysis, 211
Contact stiffness
effect of contact stiffness on the establishment of self-excited vibrations, 227
Contact-point model
longitudinal contact-point model for calculating stress-intensity factors at surface cracks in sliding wear, 335
Crack propagation
analysis of subsurface crack propagation and implications for wear of elastically deforming materials, 95

Diamond hit
the wear of diamonds in impregnated diamond bit drilling, 311

Elastic deformation
analysis of subsurface crack propagation and implications for wear of elastically deforming materials, 95
Elastomers
on the dependence of friction force on sliding velocity in the theory of adhesive friction of elastomers, 137
Engine wear
a review of the effect of sand dust and filtration on automobile engine wear, 349

Elsevier Sequoia/Printed in The Netherlands

Erosion
effect of indentation load on fragmentation of erosion particle tips, 115
erosion studies on hyper steel and high chrome cast iron, 85
the erosion resistance of plain carbon steels under water droplet impact conditions, 185

Fluidization
particle impact and impact distribution within a fluidized bed combustor environment, 373
Fractal analysis
describing ground surface texture using contact profilometry and fractal analysis, 211
fractal characteristics of rubber wear surfaces as a function of load and velocity, 73
Fragmentation
effect of indentation load on fragmentation of erosion particle tips, 115
Friction
friction and wear behaviour of cast and sintered Al–Si alloys under conditions of oscillating contact, 291
fundamental considerations in adhesion, friction and wear for ceramic–metal contacts, 35
on the dependence of friction force on sliding velocity in the theory of adhesive friction of elastomers, 137

Gas-lubrication
sliding effect of gas-lubricated porous rectangular thrust bearings, 235

Hydrodynamic loading
dynamic load carrying capacities of a shell-shaped thrust bearing, 267
Hydrostatic loading
an investigation into the performance of hydrostatically loaded end-plates in high pressure pumps and motors: movable plate design, 249
Hydrostatic thrust bearing
dynamic load carrying capacities of a shell-shaped thrust bearing, 267

Ion-beam deposition
characterization and unlubricated sliding of ion-beam-deposited hydrogen free diamondlike carbon films, 45
Iron
erosion studies on hyper steel and high chrome cast iron, 85

Linear stability theory
dynamic characteristics of finite-width journal bearings with micropolar fluids, 23
Lubrication
dynamic characteristics of finite-width journal bearings with micropolar fluids, 23

Metals
material-specific wear mechanisms: relevance to wear modelling, 159
Micropolar fluids
dynamic characteristics of finite-width journal bearings with micropolar fluids, 23

Piston rings
surface activation for wear profile studies of piston rings, 17
Plastic instability
erosion studies on hyper steel and high chrome cast iron, 85
Polymers
material-specific wear mechanisms: relevance to wear modelling, 159

Radionuclide technique
surface activation for wear profile studies of piston rings, 17
Roughness
describing ground surface texture using contact profilometry and fractal analysis, 211
Rubber
fractal characteristics of rubber wear surfaces as a function of load and velocity, 73

Scratch testing
quality evaluation of coatings by automatic scratch testing, 59
Self-excited vibrations
effect of contact stiffness on the establishment of self-excited vibrations, 227
Silicon
friction and wear behaviour of cast and sintered Al–Si alloys under conditions of oscillating contact, 291

Sliding
characterization and unlubricated sliding of ion-beam-deposited hydrogen free diamondlike carbon films, 45
effects of hardness on the wear mode diagram in lubricated sliding friction of carbon steels, 1
longitudinal contact-point model for calculating stress-intensity factors at surface cracks in sliding wear, 335
on the dependence of friction force on sliding velocity in the theory of adhesive friction of elastomers, 137
sliding effect of gas-lubricated porous rectangular thrust bearings, 235
Slurry erosion
the effect of impingement angle on slurry erosion, 279
Steels
effects of hardness on the wear mode diagram in lubricated sliding friction of carbon steels, 1
erosion studies on hyper steel and high chrome cast iron, 85
the erosion resistance of plain carbon steels under water droplet impact conditions, 185
Stress intensity
longitudinal contact-point model for calculating stress-intensity factors at surface cracks in sliding wear, 335
Surface activation
surface activation for wear profile studies of piston rings, 17
Thrust bearing
analysis of narrow rectangular aerostatic porous thrust bearings moving with a uniform transverse velocity, 125
Velocity
analysis of narrow rectangular aerostatic porous thrust bearings moving with a uniform transverse velocity, 125
Viscosity
viscosity and influence on pitting of laboratory-aged gear oil, 321
Wear
analysis of subsurface crack propagation and implications for wear of elastically deforming materials, 95
fractal characteristics of rubber wear surfaces as a function of load and velocity, 73
fundamental considerations in adhesion, friction and wear for ceramic–metal contacts, 35
material-specific wear mechanisms: relevance to wear modelling, 159
the wear of diamonds in impregnated diamond bit drilling, 311
Wear mechanisms
effects of hardness on the wear mode diagram in lubricated sliding friction of carbon steels, 1